



Jordan University of Science and Technology
Faculty of Engineering
Department of Biomedical Engineering

Employer Survey

Employer: _____ Division: _____

Division Head or Supervisor: _____

Address: _____

Phone: (_____) _____ Fax: (_____) _____

E-mail address: _____

Please indicate the number of engineers in the specified discipline in your company: _____

Please indicate the number of JUST graduates in the specified discipline in your company: _____

RECOMMENDED PROCEDURE:

Please rate the following abilities, attributes, and skills that JUST has equipped its students with. **FIRST**, indicate the degree of importance of each relative to your needs, **SECOND**, rate how JUST has prepared its students in each.

| Abilities, Attributes, and Skills | Importance | | | Rating of JUST in providing abilities, attributes, and skills | | | | |
|--|--------------------------|--------------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | <i>Not Important</i> | <i>Important</i> | <i>Very Important</i> | <i>Very Low</i> | ←————→ | | | <i>Very High</i> |
| | 0 | 1 | 2 | 1 | 2 | 3 | 4 | 5 |
| 1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. An ability to communicate effectively with a range of audiences. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | |
|---|--|--|
| <p>8. An ability to demonstrate adequate knowledge of biology, physiology, chemistry and the capability of applying advanced mathematics (including differential equations, statistics and calculus-based physics), science, and engineering to solve the problems at the interface of engineering and biology.</p> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <p>9. An ability to make measurements on, interpret data from, and model living systems and biomedical devices addressing the problems associated with the interaction between living and non-living materials and systems.</p> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Please feel free to provide any further comments on the program curriculum and your, and to make suggestions on ways to improve the department and curriculum.
